

Title (en)

METHODS FOR RADIOTHERAPY TO TRIGGER LIGHT ACTIVATION DRUGS

Title (de)

VERFAHREN ZUR STRAHLENTHERAPIE ZUR AUSLÖSUNG VON LICHTAKTIVIERUNGSMEDIKAMENTEN

Title (fr)

PROCÉDÉS DE RADIOTHÉRAPIE POUR DÉCLENCHER DES MÉDICAMENTS À PHOTOACTIVATION

Publication

EP 3367890 A4 20190724 (EN)

Application

EP 16860690 A 20161026

Priority

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- US 2016058868 W 20161026

Abstract (en)

[origin: WO2017075057A1] A method and system for treating a subject with a disorder which provides within the subject at least one photoactivatable drug for treatment of the subject, applies initiation energy from at least one source to generate inside the subject a preferential x-ray flux for generation of Cherenkov radiation (CR) light capable of activating at least one photoactivatable drug, and from the CR light, activating inside the subject the at least one photoactivatable drug to thereby treat the disorder.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [E] WO 2017173440 A1 20171005 - BRIGHAM AND WOMEN'S HOSPITAL INC [US]
- [E] WO 2017019520 A1 20170202 - MEMORIAL SLOAN KETTERING CANCER CENTER [US]
- [XAI] AXELSSON JOHAN ET AL: "Cherenkov emission induced by external beam radiation stimulates molecular fluorescence", MEDICAL PHYSICS, AIP, MELVILLE, NY, US, vol. 38, no. 7, 23 June 2011 (2011-06-23), pages 4127 - 4132, XP012145359, ISSN: 0094-2405, DOI: 10.1118/1.3592646
- See also references of WO 2017075057A1

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DOCDB simple family (application)

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